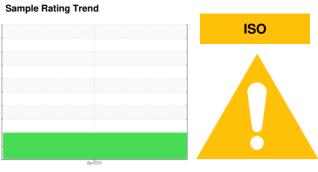


# **FUEL REPORT**

# {UNASSIGNED} KIOTI DK4510 - FUCHS (S/N XR7600233)

**Tank Diesel Fuel** 

No.1 DIESEL FUEL (LOW-SULPHUR) (20 Oz)



### **DIAGNOSIS**

#### Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel. ( Customer Sample Comment: Testing fuel sample for warranty coverage on KIOTI engine )

#### Corrosion

All metal levels are normal indicating no corrosion in the system.

#### Contaminants

There is a high amount of particulates present in the fuel. There is no bacteria or fungus (yeast and/or mold) indicated in the sample. The water content is negligible.

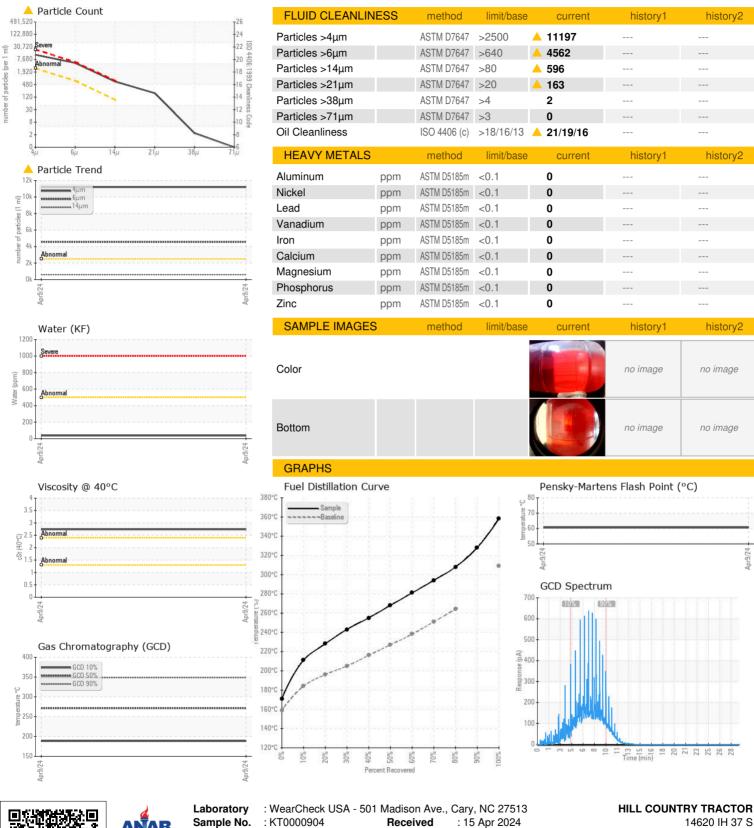
#### **Fuel Condition**

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

DZ)				Apr2024	'	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KT0000904		
Sample Date		Client Info		09 Apr 2024		
Machine Age	hrs	Client Info		349		
Sample Status				ABNORMAL		
PHYSICAL PROP	ERTIES	method	limit/base	current	history1	history2
Fuel Color	text	*Visual Screen		Red		
ASTM Color	scalar	*ASTM D1500		L4.0		
Visc @ 40°C	cSt	ASTM D445		2.74		
Pensky-Martens Flash Point	°C	*PMCC Calculated		60.6		
SULFUR CONTE	NT	method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185m	33	4		
Sulfur (UVF)	ppm	ASTM D5453		8		
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D86	159	171		
5% Distillation Point	°C	ASTM D86		199		
10% Distill Point	°C	ASTM D86	184	211		
15% Distillation Point	°C	ASTM D86		220		
20% Distill Point	°C	ASTM D86	196	228		
30% Distill Point	°C	ASTM D86	205	243		
40% Distill Point	°C	ASTM D86	216	255		
50% Distill Point	°C	ASTM D86	227	268		
60% Distill Point	°C	ASTM D86	238	281		
70% Distill Point	°C	ASTM D86	251	294		
80% Distill Point	°C	ASTM D86	264	308		
85% Distillation Point	°C	ASTM D86		318		
90% Distill Point	°C	ASTM D86		328		
95% Distillation Point	°C	ASTM D86		345		
Final Boiling Point	°C	ASTM D86	309	358		
IGNITION QUALIT	ГΥ	method	limit/base	current	history1	history2
API Gravity		ASTM D7777	40.1	38		
Cetane Index		ASTM D4737	<40.0	54		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	<1.0	<1		
Sodium	ppm	ASTM D5185m	<0.1	1		
Potassium	ppm	ASTM D5185m	<0.1	0		
Water	%	ASTM D6304	< 0.05	0.003		
ppm Water	ppm	ASTM D6304	<500	37		
% Gasoline	%	*In-House	< 0.50	0.0		
% Biodiesel	%	*In-House	<20.0	0.0		



## **FUEL REPORT**





Certificate 12367

Sample No.

: KT0000904 Lab Number : 06149744

Unique Number : 10979822

**Tested** 

Diagnosed Test Package : DF-2 (Additional Tests: Fuel, Screen) To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 30 Apr 2024

: 05 May 2024 - Doug Bogart

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

14620 IH 37 S ELMENDORF, TX US 78112

Contact: CORY RIVERA crivera@mytexastractor.com

Submitted By: CORY RIVERA

T: F: